

-1- (JAPIO)

ACCESSION NUMBER

TITLE

PATENT APPLICANT

INVENTORS

PATENT NUMBER

APPLICATION DETAILS

SOURCE

INT'L PATENT CLASS

JAPIO CLASS

FIXED KEYWORD CLASS

ABSTRACT

85-146454

ZINC ALKALINE BATTERY

(2000582) MATSUSHITA ELECTRIC IND CO LTD

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KANJI

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84.01.06 84JP-000970, 59-970

85.12.06 SECT. E, SECTION NO. 364; VOL. 9, NO. 310,
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H01M-004/42; C22C-018/00

42.9 (ELECTRONICS--Other); 12.2 (METALS--Metallurgy
Heat Treating); 12.3 (METALS--Alloys)

R057 (FIBERS--Non-woven Fabrics)

PURPOSE: To obtain a high-capacity zinc alkaline
battery containing only a small amount of mercury by
using as the negative active material an amalgamated
zinc powder principally composed of zinc and
containing at least one element chosen from among Pb,
Cd and Sn and one of Tl and Ag as active elements.

CONSTITUTION: An active material for a negative
electrode 5 is prepared by amalgamating an alloy
principally composed of zinc and containing at least
one element chosen from among Pb, Cd and Sn and at
least one of Tl and Ag. It is preferable that the
above amalgamation through which alloy particles are
coated with Hg be performed by a wet method by
dropping Hg into a KOH solution of 30% concentration
containing an alloy powder while stirring it.